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# NEWS LETTER



MANNING SEED COMPANY

DEXTER HORTON BUILDING  
SEATTLE 4, WASHINGTON, U.S.A.

BULLETIN NO. 2

## DOUGLAS FIR SEED SOURCES

The parentage of tree seed and the environment in which it is borne greatly influence the quality and rate of growth of all planted forests. Because of this fact, MANNING SEED COMPANY has enlarged its collection area to supply seed from high quality trees in a variety of situations in order to better meet the requirements of our customers.

To insure the integrity of every seed source, our seed has been collected and carefully processed under the direct supervision of technically trained foresters. Each lot of seed is positively identified with the area from which it was collected so that we can duplicate future collections at your request.

We suggest that you follow two principles of sound management in purchasing seed for reforesting your land:

1. Play safe by using seed from a climatic environment similar to the area to be reforested.
2. Experiment with seed from other environments in an attempt to introduce better trees of faster growth.

We have seed on hand from the locations listed on the attached sheet. Each locality is coded by a system that is based on seed zones as designated by the Pacific Northwest Forest and Range Experiment Station and Published by Leo A. Isaac of that station in his bulletin "Better Douglas-fir Forests from Better Seed".

MANNING SEED COMPANY





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### AVAILABLE DOUGLAS FIR SEED - by LOT NUMBERS

#### CERTIFIED MANINGSEED

<u>Region, Zone *</u> <u>and Elevation</u>	<u>COLLECTION AREAS</u>	<u>Nearest Weather **</u> <u>Station Number</u>
<u>Lot No.</u>		
(Region 1) <u>13-0.5</u>	Forks (Sappho)	7
(Region 2) <u>22-0.5</u>	Hoquiam	Between 19 and 16
<u>51-0.5</u>	San Juan	32
<u>53-0.5</u>	Camano Island	33
(Region 5) <u>55-1.0</u>	Sequim	5
<u>55-2.0</u>	Sequim	5
<u>56-1.0</u>	Quilcene	14
<u>56-2.0</u>	Quilcene (Louella)	14 +
(Region 6) <u>65-1.0</u>	Darrington	51
<u>72-1.0</u>	Enumclaw	Between 60 and 71
<u>72-2.0</u>	Enumclaw	Between 60 and 72
<u>73-1.0</u>	Graham	71
(Region 7) <u>74-0.5</u>	Elma	Between 18 and 84
<u>75-0.5</u>	Yelm	Between 37 and 81
<u>76-1.0</u>	Tenino	Between 85 and 37
<u>77-0.5</u>	Pe Ell	89
<u>78-2.0</u>	Ashford (National)	Between 74 and 76
<u>79-1.0</u>	Castle Rock	95
<u>79-2.0</u>	Castle Rock	95 +
<u>82-1.0</u>	Vernonia	113 +
<u>83-2.0</u>	Yacolt	100 +
(Region 8) <u>84-2.0</u>	Eslacadia	125
<u>86-1.0</u>	Sweet Home	Between 153 and 154
<u>87-1.0</u>	Lowell	159
<u>88-1.0</u>	Cottage Grove	157
<u>89-2.0</u>	Santiam River	Between 135 and 160
(Region 10) <u>102-2.0</u>	Wind River	105
(Canada) <u>B10-2.0</u>	Shuswap	Rainfall 19 inches

\* The first numeral of the Lot Number is the region - see Bulletin No. 1 for full explanation. The second numeral is the exact cone collection zone -- see MANINGSEED Douglas Fir Site Maps for details. The number following the dash is the elevation range in thousands of feet, according to this table:

0.5	=	0 to 500 feet
1.0	=	0 to 1000 feet
2.0	=	1001 to 2000 feet
3.0	=	2001 to 3000 feet

\*\* See Booklet: "Better Douglas Fir Forests from Better Seed", pages 40-45.

+ Adjustment in weather station data is necessary because of higher elevation.

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